



Spot Report: TPC Group Plant Explosion and Fire Update

US Environmental Protection Agency

Report as of 12/04/2019 10:30 PM

Overview: Early in the morning on November 27, the National Response Center received a report about an explosion at TPC Group Facility in Port Neches, TX. The facility is regulated under the Risk Management Program. At approximately 1400 CST on November 27, a secondary explosion occurred. Residents within a four-mile radius of the facility were ordered to evacuate. At 1000 hours on November 29, the Jefferson County judge rescinded the mandatory evacuation. As of 1830 hours on December 3, the remaining fire self-extinguished in the process area. TPC continues to provide water for vapor suppression at 6,000 to 8,000 gallons per minute across the area

State, Local and other Federal Agency Actions: The Port Neches-Groves Independent School District re-opened on December 3. Air monitoring teams from CTEH, the Texas Commission on Environmental Quality (TCEQ), and EPA have coordinated to assure continuous air monitoring in the area of the schools. CTEH also continues air monitoring efforts in the work area and community. CTEH assessment teams have identified asbestos containing material to the northeast of the facility, up to seven miles away. TPC initiated modeling based on weather conditions to help identify potential impact areas. Teams are responding to reports and recovering material as identified. To date, TPC reports approximately 40 homes have reported debris concerns on their properties to the TPC hotline. On December 3, 2019 Unified Command received a report documenting all impacted wildlife observed or collected since December 1 (54 fish carcasses were collected downstream of the Site. Additionally, 30 fish, 24 crabs, 1 alligator, 2 birds, and approximately 2,000 shad carcasses were observed downstream of the site).

EPA Actions: EPA is serving as the lead federal agency for response efforts. As of 1500, December 4, EPA is deploying 4 personnel and 8 contractors to Port Neches, and 3 EPA

personnel 7 contractors are supporting the response remotely. A Shoreline Cleanup Assessment Technique (SCAT) team continued assessments on December 4 along the 201 Canal and Star Lake Canal. The teams included state, federal (USCG) and facility representation. The SCAT team's findings will be developed into a clean-up action plan as determined to be necessary. EPA collected five water samples on the afternoon of December 3 in the affected canal up to the Neches River and one water sample upstream of the incident. The EPA water samples will be analyzed for VOCs, SVOCs, Oil and Grease, Glycols, Total Petroleum Hydrocarbons, and Total Organic Carbon. The EPA water samples were delivered to Houston for analysis on Monday morning. The samples will also be analyzed for PFAS compounds. No additional water sampling was conducted on December 4.

EPA has mobilized an asbestos specialist to advise on asbestos clean-up activities. EPA's Airborne Spectral Photometric Environmental Collection Technology (ASPECT) conducted a fly-over of the site on the morning of December 4 and reported no detections. EPA requested onsite support from ATSDR and Texas Department of State Health Services for reviewing data and communicating observations and human health concerns to the community. The ATSDR team will be mobilizing on December 5 to join Unified Command.

As winds shifted from the west, elevated concentrations of 1,3-Butadiene were reported in the community located southwest of the Site (sustained at approximately 0.7 ppm) and the fire station (sustained at approximately 9.0 ppm) located at the southwest boundary of the Site. Measurements were confirmed, and Unified Command notified the local authorities. The County Judge recommended sheltering in place for Port Neches effective from 6:00 pm on December 4, 2019 until 6:00 am on December 5, 2019. Elevated 1,3-Butadiene concentrations continue to be monitored in the community at this time. Unified Command continues to evaluate the situation. The Port Neches- Grove ISD has canceled school for the remainder of the week.

A Story Map has been created for the incident and is public at the <https://response.epa.gov/south4groupfire> website.

Media Interest: Medium

Media Links:

Note:

The EPA will continue to monitor and provide updates as needed

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